

Claim Listing

What I claim as my inventions is:

1. (original)    Ring Binder with Self-Closing Mechanism.
2. (new)        A binder according to claim1, wherein the ring binder is comprised of a self-closing ring mechanism, a base plate, a cover and means to secure ring mechanism on the cover.
3. (new)        A binder according to claim 1, wherein the construction of self-closing ring mechanism and base plate are made in slightly resilient and strong materials molded by metal or suitable plastic, or welded as necessary.
4. (new)        A binder according to claim 1, wherein the self-closing ring mechanism carries two or more rings.
5. (new)        A binder according to claim 1, wherein the self-closing ring mechanism is comprised of a opening bar, a holding pin and a retaining spring and/or magnetic at each ring of the binder.
6. (new)        A self-closing ring mechanism according to claim 5, wherein the opening bar is anchored by the corresponding leg of ring post by utilizing any suitable form, such as diagonal and/or convex surface at adjoining point.
7. (new)        A self-closing ring mechanism according to claim 5, wherein the opening bar is formed suitable for the perforated papers to travel smoothly in the rings, such as arc, straight and etc. in conformity with the shape of corresponding leg of ring post.
8. (new)        A self-closing ring mechanism according to claim 5, wherein the magnetic are pasted on both adjoining faces between opening bar and corresponding leg of ring post.

9. (new) A self-closing ring mechanism according to claim 5, wherein the retaining spring possesses sufficient force to hold back the opening bar as well as feathering tension to accept the pushing force of a few perforated papers.

10. (new) A self-closing ring mechanism according to claim 5, wherein the holding pin is made by any suitable means and forms such as rivet, screw and etc.

11. (new) A binder according to claim 1, wherein the binder mechanism is located at center of the two lateral parts of the binder cover, or is embodied on one lateral part of the binder cover, by using suitable means such as screws, bolts, nails, rivets, glue and etc.

12. (new) A binder according to claim 1, wherein the rings have any suitable form to insert, stack and secure the perforated papers properly, which may be a ring proper, a rectangle ring, a D-like ring or the like.

13. (new) A binder according to claim 1, wherein the cover is made of a rigid plastic material, such as polypropylene, polyethylene, and etc., or from a cardboard, or from a cardboard covered with a suitable plastic foil material.

14. (new) A binder according to claim 1, wherein the various parts of the binder may be manufactured separately and assembled at a suitable place thus forming the binder.

15. (new) A binder according to claim 1, wherein the various parts of the binder mechanism, the base plate and the cover are made in a same color or different colors.